R18 Regulation *Subject code:2P6EB*

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech VI Semester Supplementary Examinations, April 2026

R PROGRAMMING

(CSE)

Maximum Marks: 70 Date: 21.04.2026 Duration: 3 hours

Note: **1.This question paper contains two parts A and B.**
2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
3. Part B consists of 5 Units. Answer any one full question from each unit.
4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks (10X2M=20 Marks)		Marks	CO	BTL
1	Define all() and any() functions in R.	2M	1	L1
2	What is a scalar and write its syntax?	2M	1	L1
3	Define list. write the syntax for finding the length of the list.	2M	2	L1
4	What is cbind() and rbind().	2M	2	L1
5	What is contingency table?	2M	3	L1
6	Write syntax to Extract sub data frame.	2M	3	L1
7	What is assignment operator?	2M	4	L1
8	Write any two differences between data frame and data table.	2M	4	L1
9	Define grep() and regexpr().	2M	5	L1
10	Give a syntax for "what" attribute in scan () function.	2M	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		Marks	CO	BTL
11	Explain the following with examples a)Help () b) example () c) rep () d) NA () e) NULL ()	10M	1	L2
	OR			
12	Explain and differentiate NA and NULL with an example by applying mean () and mode ().	10M	1	L2
13	Create a list for student and print the components of a list with the index and name.	10M	2	L2
	OR			
14	Explain adding and deleting of components from a list with example.	10M	2	L2
15	Explain how to merge two data frames with example.	10M	3	L2
	OR			
16	Write and explain factor and table related functions.	10M	3	L2
17	Write a program to print squares of numbers in a given range by using functions.	10M	4	L2
	OR			
18	Explain random number generation statistical distribution functions.	10M	4	L2

19	a) How to plot multiple curves in same graph? Explain with example? b) Explain about adding the function for text() and point().	5M 5M	5	L2
	OR			
20	Explain functions that are accessing through keyboard.	10M	5	L2